

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-47. (cancelled)

48. (previously presented) Process which comprises: coating substrates with a polar coating, wherein the coating takes place by means of plasma polymerization; including the step of employing a water-free process gas which contains at least one substituted hydrocarbon compound with up to a maximum of 8 C-atoms and also an inorganic gas, to produce a coating which is stable in the long term; and wherein said coating step further comprises coating at least one of packing materials and substrates for adhesion of composite materials.

49. (previously presented) Process according to claim 48, wherein said packing materials consist of at least one of films, bottles and containers.

50. (previously presented) Process which comprises: coating substrates with a polar coating, wherein the coating takes place by means of plasma polymerization; including the step of employing a water-free process gas which contains at least one substituted hydrocarbon compound with up to a maximum of 8 C-atoms and also an inorganic gas, to produce a coating which is stable in the long term; and including the step of coating at least one of ceramic and metal substrates.

51. (new) Process which comprises: coating substrates with a polar coating, wherein the coating takes place by means of plasma polymerization; including the step of employing a water-free process gas which contains at least one substituted hydrocarbon compound with up to a maximum of 8 C-atoms and also an inorganic gas, to produce a coating which is stable in the long term; and including the step of coating at least one of polymer flexible substrates, polymer substrates reinforced with ceramic fibers, glass fibers, polymer fibers and carbon fibers, and powder- or granulate-formed substrates, and producing one of a polar film and a polar molded body.